

Knollwood Energy of MA LLC P.O. Box 30 Chester, New Jersey 07930

MAPINC 20AUG 15PH1:39

August 17, 2015

Debra A. Howland Executive Director New Hampshire Public Utilities Commission 21 South Fruit Street, Suite 10 Concord, NH 03301-2429

Dear Ms Howland,

Enclosed please find the application for the Tim Mulder system to be part of the Knollwood Energy of MA LLC (NH-II-13-089) Class II Photovoltaic aggregation for New Hampshire Renewable Energy Certificates (RECs) generated from customer-sited sources, pursuant to New Hampshire Code of Administrative Rules Puc 2506 (including new requirements 2506.01 and PUC 2506.02)

Customer and Facility Information
Tim Mulder
19 Palm Drive
Greenland, NH 03840
603.502.3986
TimJMulder@hotmail.com

The new Nepool GIS ID # for this facility is: NON51770. Also enclosed are the Simplified Process Interconnection Application and Service Agreement, and the Certificate of Completion. An electronic version has been sent to executive.director@puc.nh.gov.

Please do not hesitate to contact me if you have any questions regarding this application.

Thank you for your consideration,

Linda Modica
New England REC Operations Manager *Knollwood Energy of MA LLC*973.879.7826
linda@knollwoodenergy.com

Enclosures (3)

DRAFT APPLICATION FORM FOR RENEWABLE ENERGY CERTIFICATE (REC) ELIGIBILITYFOR CLASS I AND CLASS II SOURCES WITH A CAPACITY OF 100 KILOWATTS OR LESS

Pursuant to New Hampshire Administrative Code Puc 2500 Rules including Puc 2505.08, Certification of Certain Customer-Sited Sources

- Please submit one (1) original and two (2) paper copies of the completed application and cover letter* to:
 Debra A. Howland, Executive Director, New Hampshire Public Utilities Commission

 21 South Fruit Street, Suite 10, Concord, NH 03301-2429
- Send an electronic version of the completed application and the cover letter electronically to executive.director@puc.nh.gov.
- The cover letter must include complete contact information and identify the renewable energy class for which the applicant seeks eligibility. Pursuant to Puc 2505.01, the Commission is required to render a decision on an application within 45 days of receiving a completed application.

If you have any questions please contact Barbara Bernstein at (603) 271-6011 or Barbara.Bernstein@puc.nh.gov.

 Photovoltaic (PV) solar facilities are Class II resources. 	Contact Barbara.Bernstein@puc.nh.gov for assistance.
Eligibility Requested for: Class I Class II	X Check here X if this facility part of an aggregation.
If the facility is part of an aggregation, please list the aggre	egator's name. Knollwood Energy of MA
 Provide the following information for the owner of the 	PV system.
Applicant Name Tim Mulder	Email <u>TimJMulder@hotmail.com</u>
Address 19 Palm Drive	City Greenland State NH Zip 03840
Telephone _603.502.3986	Cell
 For business applicants, provide the facility name and of information). 	contact information (if different than applicant contact
Facility Name Prim	ary Contact
Address	City State Zip
Telephone	Cell
Email address:	

• Provide a complete list of the equipment used at the facility, including the revenue grade REC meter, and, if applicable, the inverter. Your facility will not qualify for RECs without a REC meter.

equipment	quantity	Туре	equipment	quantity	Туре			
PV panels	19 13	Canadian Solar CS6X-310 Canadian Solar CS6X-305	other					
Inverter	1	Solar Edge SE 10000US	other					
meter	1	GE I-210+	other					The state of the s
For PSN Comple	e included IH custom tion are re	·	rconnectio	on Applica	tion and Exhibi	it B - Certi	ificate	of
		plate capacity of your facility (found o			-	-	95 AC	
What w	as the init	ial date of operation (the date your u	tility appr	oved the i	acility)?	11/	4/14	
		e, license number and contact inform by the customer.	ation of t	he installe	er, or indicate t	hat the ed	quipm	ent was
Installer Name		Lights Solar Conta	ct <u>Fuat</u>	Ari		nse # (if licable)	n/a	
Address	96 Hilli	ard Rd	City <u>Chi</u>	chester	St	N ate: <u>H</u>	Zip	03258
Address Telepho	30 11111	.961.0045			St Oblsus.com		_ Zip	03258
Telepho	one 603		email	fuat.ari@			_ Zip	03258
Telepho	one 603	.961.0045	email _	fuat.ari@ neck here:			_ Zip	03258
Telepho	one 603 uipment v	.961.0045 vas installed directly by the customer,	email please cl	fuat.ari@ neck here: endor.	Oblsus.com	rate: <u>H</u>	_ Zip	03258
Telepho	the name	.961.0045 vas installed directly by the customer, and contact information of the equi ere if the installer provided the equip	email	fuat.ari@ neck here: endor. proceed t	oblsus.com	tion.	- '	
Telepho If the eq Provide X	the name Check h	.961.0045 vas installed directly by the customer, and contact information of the equi	email	fuat.ari@ neck here: endor. proceed t	Oblsus.com	tion.	- '	
Telepho If the eq Provide X Business	the name Check h	.961.0045 vas installed directly by the customer, and contact information of the equi ere if the installer provided the equip	email	fuat.ari@ neck here: endor. proceed t	oblsus.com	tion.		
Telepho If the eq Provide X Business Address Telepho	the name Check has Name	.961.0045 vas installed directly by the customer, and contact information of the equi ere if the installer provided the equip	email please class cl	fuat.ari@ neck here: endor. proceed t	o the next ques	tion.	Zip	
Telepho If the equation of th	the name Check has Name	961.0045 vas installed directly by the customer, and contact information of the equipere if the installer provided the equip	email please class cl	fuat.ari@ neck here: endor. proceed t act wing info	o the next ques	e ay corpor	Zip	
Telepho If the equation of th	the name Check has Name ne ependent	961.0045 vas installed directly by the customer, and contact information of the equi ere if the installer provided the equip	email please class cl	fuat.ari@ neck here: endor. proceed t act wing info	o the next ques	e ay corpor	_ Zip	

15 French Circle		
Provide the name of the independent monitor	or for this facility (A list of	approved independent menitors is
available at http://www.puc.nh.gov/Sustainab		•
available at <u>integriff www.pac.imi.gov/pactamas</u>	ne/ozoznergy/ Nenewabie_	Energy Source Englomey.Hem.,
Independent Monitor's Name Paul Button,	Energy Audits Unlimited	
radi button,	Energy Addits Ommitted	
Is the facility certified under another state's re	•	d? yes ☐ no ☐X
If "yes", then provide proof of the certification	as Attachment C.	
 Please note, if your facility is part of an age following information. 	gregation, your aggregate	or should provide you with the
 In order to qualify your facility's electrical 	production for Renewable	Energy Cartificates (BECs) you
must register with the NEPOOL – GIS. Con		
	James Webb	,
Registry Administ	rator, APX Environmental	Markets
	way, Suite 600, San Jose, C	
Office: 408.52		
If you are not part of an aggregation, Mr. Webl		
in you are not part of an aggregation, wit. West	5 Will assist you iii obtailiii	g a distactiffy code.
GIS Facility Code # NON51770	Asset ID #	NON51770
Complete an affidavit by the applicant or	qualified installer that t	the project is installed and operating
in conformance with any applicable state		
or provide a separate document.	-	•
The Commission requires a notarized affice	davit as part of the appl	ication.
AFFIDAVIT		
The Undersigned applicant declares under	nonalty of norium that	the project is installed and energting
in conformance with all applicable building	g codes. (please see atta	acned)
Applicant's Signature		Date
Applicant's Printed Name Linda Modica		
Subscribed and sworn before me this	Day of	(month) in the year
	·	· · · <u> </u>
County of	State of	
	-	
	Notary Pub	olic/Justice of the Peace
My Commission E	ynires	

- Complete an affidavit by the applicant or qualified installer that the project is installed and operating in conformance with any applicable state/local building codes. Use either the following affidavit form or provide a separate document.
- The Commission requires a notarized affidavit as part of the application.

AFFIDAVIT	
The Undersigned applicant declares under penalty	of perjury that the project is installed and operating
in conformance with all applicable building codes.	
Applicant's Signature	Date 8/17/15
Applicant's Printed Name Linda Modica	
Subscribed and sworn before me this17	Day of August (month) in the year 2015
County of Morris	State of New Jersey
	Marie
	Notary Public/Justice of the Peace
My Commission Expires	

DULCE PINTO
Notary Public
State of New Jersey
My Commission Expires Jan. 21, 2019
I.D.# 2381704

• Complete the following checklist. If you have questions, contact barbara.bernstein@puc.nh.gov.

CHECK LIST: The following has been included to complete the application:	YES
All contact information has been provided.	X
 A copy of the interconnection agreement. PSNH Customers should include both the Interconnection Standards for Inverters Sized up to 100 KVA and Exhibit B – Certification of Completion for Simplified Process Interconnection. 	x
Documentation of the distribution utility's approval of the installation.*	Х
• If the facility is participating in another state's renewable portfolio standard (RPS) program, documentation of certification in other state's RPS.	
A signed and notarized attestation.	Х
A GIS number obtained from the GIS Administrator.	Х
The document has been printed and notarized.	Х
The original and 2 copies are included in the packet mailed to Debra Howland, Executive Director of the PUC.	Х
An electronic version of the completed application has been sent to executive.director@puc.nh.gov .	Х
*Usually included in the interconnection agreement.	

• If the application has been prepared by someone other than the applicant, complete the following. If the application was prepared by the applicant, check here

and skip this section.

PREPARER'S INFORMATION

Preparer's Name Linda M	odica	Email address: <u>linda@knollw</u>	voodenergy.c	<u>:om</u>	
Address PO Box 30		City Chester	State	NJ Zip	07930
Telephone 973.879.782	; <i>1</i> 1	Cell			
Preparer's Signature:					

RECEIVED

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE INTERCONNECTION STANDARDS FOR INVERTERS SIZED UP TO 100 KVA

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Simplified Process Interconnection Application and Service Agreement

	PSN	IH Application Pro	oject ID#:	1// 3/80
Contact Information:				
Legal Name and Address of Interconnecting	Customer (or Compa	ny name ilfannror	ariote)	
Customer or Company Name (print):	Tim V	Vill Approp		
Contact Person, if Company:	1111	HUICICO		
	PALM	DRIVE		
City: Cenwinn	States A III	Journe	7:- C- 1	03844
Telephone (Daytima): 507 - 79	state: Just	/T	Zip Code:	-0.8049
Telephone (Daytime): 502 - 391 Facsimile Number:	30	(Evening):	<u> </u>	- (D hotmail.co
racsimile (vaimoe).	E-IVI	all Address:	DIM WAT GO	(IV WITH AIL CO
Alternative Contact Information (c. a. Sunt	tom installation or series	-t		
Alternative Contact Information (e.g., Syst				
Name: Brig	nt Light Sola	r LLC		
Maning Address.		au		
City:	603-961-004	5	Zip Code:	
Telephone (Daytime):	WW.BLSUS.C	om (Evening):		
Facsimile Number:	E-M	lail Address:		
Floatrical Contractor Contact Information	/##			
Electrical Contractor Contact Information Name:				
		le Dir.		
Mailing Address 13 + 12 1				07267
			Zip Code:	03263
Telephone (Daytime): 6a3-396 Facsimile Number:	<u>-01-03</u>	(Evening):		2/1
racsimile Number:	E-M	ail Address: W	ar a executu	" (ryahorcon
Facility Site Information:				
Facility (Site) Address:				
City:		***************************************	Zin Code:	
Electric	17.0	60001081		**************************************
Electric Service Company: PSNH	Account Number	BA LOLOOI	Meter Num	her Da4320895
Account and Meter Number: Please consult a on this application. If the facility is to be insta	n actual PSNH electric	c bill and enter the	correct Account	Number and Meter Number
PSNH Work Request#				
Non-Default' Service Customers Only:				
Competitive Electric				
Energy Supply Company:	41	Acc	ount Number:	
Customer's with a Competitive Energy Supp				
Supply Company.)	, , , , , , , , , , , , , , , , , , ,	yy		gy

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE INTERCONNECTION STANDARDS FOR INVERTERS SIZED UP TO 100 KVA

Simplified Process Interconnection Application and Service Agreement

	Facility Machine Information:
	Generator/ Course of Source Model Name & 156 x - 310 - 219
	Inverter Manufacturer: Number: Number: Quantity:
	Inverter Manufacturer: Number: Number: Quantity: Number: Numbe
	Mameplate Rating: The AC Nameplate rating of the individual inverter
, ago 1	/ System Design Capacity: (kW) (kVA) Battery Backup: Yes No A
D. MA	System Design Capacity: The system total of the inverter AC ratings. If there are multiple inverters installed in the system, this is the
ACI	sum of the AC nameplate ratings of all inverters.
	Net Metering: If Renewably Fueled will the account be Net Metered? Yes No \[\]
	Prime Mover: Photovoltaic Reciprocating Engine Fuel Cell Turbine Other
L	Energy Source: Solar Wind Hydro Diesel Natural Gas Fuel Oil Other
	or the state of th
	Inverter-based Generating Facilities:
	UL 1741 IEEE 1547.1 Compliant (Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)
	Mes No
I	The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use With Independent Power
	Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to
	submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This
	term "Listed" is then marked on the equipment and supporting documentation. Please include, any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.
	provided by the inverter mandiactures describing the inverter's UL 1/41/IEEE 1547.1 listing.
	External Manual Disconnect Switch:
26	An External Manual Disconnect Switch shall be installed in accordance with 'Part Puc 905 Technical Requirements For
EQUIRE	Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.
	YES V NO I PLEASE NOTE EXTERNAL AC DISCONNECT
	Location of External Manual Disconnect Switch: SWITCH IS REQUIRED AZ PER PUC 905
	Project Estimated Install Date: 10-10-14 Project Estimated In-Service Date: 10-20-16
	, , , , , , , , , , , , , , , , , , , ,
	Interconnecting Customer Signature:
	I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the Terms
	and Conditions for Simplified Process Interconnections attached hereto:
•	
-0	Customer Signature: Mull Title: OWNEN Date: 9/30/14
ľ	Please include a one-line and/or three-line diagram of proposed installation. Diagram must indicate the generator connection
	point in relation to the customer service panel and the PSNH meter socket. Applications without such a diagram may be
	returned.
,	
	For PSNH Use Only
	Approval to Install Facility:
	Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required.
	Are system modifications required? Yes No To be Determined
	Company Signature: Whihall Wota Title: Sr. Eng, NEEL Date: 10.8.14
	THE SK. CASINEER Date: 10.017
	PSNH SPIA rev. 03/14

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE INTERCONNECTION STANDARDS FOR INVERTERS SIZED UP TO 100 KVA

Terms and Conditions for Simplified Process Interconnections

PSNH waives inspection/Witness Test	Yes N	lo X	Date of inspection/Witness Test	Call to Schedule
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- Construction of the Facility. The Interconnecting Customer may proceed to construct the Facility in compliance with the specifications of its
 Application once the Approval to Install the Facility has been signed by the Company.
- 2. Interconnection and operation. The Interconnecting Customer may operate Facility and interconnect with the Company's system once the all of the following has occurred:
 - 2.1. Municipal Inspection. Upon completing construction, the Interconnecting Customer will cause the Facility to be inspected or otherwise certified by the local electrical wiring inspector with jurisdiction.
 - 2.2. Certificate of Completion. The Interconnecting Customer returns the Certificate of Completion to the Agreement to the Company at address noted.
 - 2.3. Company has completed or waived the right to inspection.
- 3. Company Right of Inspection. The Company will make every attempt within ten (10) business days after receipt of the Certificate of Completion, and upon reasonable notice and at a mutually convenient time, conduct an inspection of the Facility to ensure that all equipment has been appropriately installed and that all electrical connections have been made in accordance with the Interconnection Standard. The Company has the right to disconnect the Facility in the event of improper installation or failure to return Certificate of Completion. All projects larger than 10 kVA will be witness tested, unless waived by the Company.
- 4. Safe Operations and Maintenance. The Interconnecting Customer shall be fully responsible to operate, maintain, and repair the Facility.
- 5. Disconnection. The Company may temporarily disconnect the Facility to facilitate planned or emergency Company work.
- 6. Metering and Billing. All renewable Facilities approved under this Agreement that qualify for net metering, as approved by the Commission from time to time, and the following is necessary to implement the net metering provisions:
 - 6.1. Interconnecting Customer Provides: The Interconnecting Customer shall furnish and install, if not already in place, the necessary meter socket and wiring in accordance with accepted electrical standards. In some cases the Interconnecting Customer may be required to install a separate telephone line.
 - 6.2. Company Installs Meter. The Company will make every attempt to furnish and install a meter capable of net metering within ten (10) business days after receipt of the Certificate of Completion if inspection is waived, or within 10 business days after the inspection is completed. if such meter is not already in place.
- 7. Indemnification. Interconnecting Customer and Company shall each indemnify, defend and hold the other, its directors, officers, employees and agents (including, but not limited to, Affiliates and contractors and their employees), harmless from and against all liabilities, damages, losses, penalties, claims, demands, suits and proceedings of any nature whatsoever for personal injury (including death) or property damages to unaffiliated third parties that arise out of, or are in any manner connected with, the performance of this Agreement by that party, except to the extent that such injury or damages to unaffiliated third parties may be attributable to the negligence or willful misconduct of the party seeking indemnification
- 8. Limitation of Liability. Each party's liability to the other party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either party be liable to the other party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever.
- 9. Termination. This Agreement may be terminated under the following conditions:
 - 9.1. By Mutual Agreement. The Parties agree in writing to terminate the Agreement.
 - 9.2. By Interconnecting Customer. The Interconnecting Customer may terminate this Agreement by providing written notice to Company.
 - 9.3. By Company. The Company may terminate this Agreement (1) if the Facility fails to operate for any consecutive 12 month period, or (2) in the event that the Facility impairs or, in the good faith judgment of the Company, may imminently impair the operation of the electric distribution system or service to other customers or materially impairs the local circuit and the Interconnecting Customer does not cure the impairment.
- 10. Assignment/Transfer of Ownership of the Facility. This Agreement shall survive the transfer of ownership of the Facility to a new owner when the new owner agrees in writing to comply with the terms of this Agreement and so notifies the Company.
- 11. Interconnection Standard. These Terms and Conditions are pursuant to the Company's "Interconnection Standards for Inverters Sized Up to 100 kVA" for the Interconnection of Customer-Owned Generating Facilities, as approved by the Commission and as the same may be amended from time to time ("Interconnection Standard"). All defined terms set forth in these Terms and Conditions are as defined in the Interconnection Standard (see Company's website for the complete document).

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE INTERCONNECTION STANDARDS FOR INVERTERS SIZED UP TO 100 KVA (Continued)

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Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information: Check if owner-installed
Customer or Company Name (print): 1110 Mull der
Contact Person, if Company:
Mailing Address: 19 Palm Dr.
City: Greenland State: NH Zip Code: 03840
m 1 1 m 1 1 1 m 1 m 2001
Facsimile Number: E-Mail Address: 12 mmulder & hotmoil cogg
Address of Facility (if different from above):
City: State: Zip Code:
Generation Vendor: Contact Person:
I herby certify that the system hardware is in compliance with Puc 900.
Vendor Signature: Date:
Electrical Contractor's Name (if appropriate): Chr/5 Word
Mailing Address: 15 French Cir
City: VIFFSfield State: NH Zip Code: 03263
Telephone (Daytime): (603) 396-0945(Evening).
Facsimile Number: E-Mail Address: Wordelectric / @ 100 100 Con
License number: \\ \tag{585}
Date of approval to install Facility granted by the Company:Installation Date:
Application ID number://_3 / 8 O
Inspection:
The system has been installed and inspected in compliance with the local Building/Electrical Code of
Green and wit
(City/County)
Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection).
Name (printed): Myrick Bunke of
Date: 11 4 2014
Customer Certification:
I hereby certify that, to the best of my knowledge, all the information contained in this Interconnection Notice is true and correct. This system has been installed and shall be operated in compliance with applicable electrical standards. Also, the initial start up test required by Part 905.04 has been successfully completed.
Customer Signature: S. Underwood Date: 1/14/14